

WHAT IS CLAIMED IS:

- 1 1. A medical data access system, the medical data access system
2 comprising:
3 a system controller communicably coupled to a gateway controller;
4 wherein the gateway controller includes a first processor and a first
5 computer readable medium, and wherein the first computer readable medium includes
6 instructions executable by the first processor to:
7 receive a data set comprising objective data collected by a physician;
8 receive a data set comprising subjective data collected by a physician;
9 communicate at least a portion of the objective data collected by the
10 physician to the system controller;
11 communicate at least a portion of the subjective data collected by the
12 physician to the system controller; and
13 wherein the system controller includes a second processor and a
14 second computer readable medium, and wherein the second computer readable
15 medium includes instructions executable by the second processor to:
16 receive a data set in a first format from an implantable medical device;
17 store the data stream in the first format to a raw database;
18 identify a group associated with the implantable medical device,
19 wherein the group is one of a plurality of groups;
20 select an interpreter associated with the group;
21 apply the interpreter to the data stream, wherein the data stream is
22 converted from the first format to a second format;
23 store at least a portion of the converted data set in the second format to
24 a database associated with the gateway controller;
25 validate the portion of the objective data collected by the physician;
26 and
27 validate the portion of the subjective data collected by the physician.
- 1 2. The system of claim 1, wherein the second computer readable medium
2 further includes instructions executable by the second processor to:

3 identify a reimbursement amount associated with a portion of data including
4 elements selected from a group consisting of: the objective data collected by the physician,
5 the subjective data collected by the physician; and the data set from the implantable medical
6 device; and

7 based at least in part on validating at least one of the objective data collected
8 by the physician, the subjective data collected by the physician; and the data set from the
9 implantable medical device, approving issuance of the reimbursement amount.

1 3. The system of claim 1, wherein the system further comprises a
2 diagnostic controller communicably coupled to the system controller, and wherein the second
3 computer readable medium includes instructions executable by the second processor to:
4 store at least a portion of the converted data set in the second format to a
5 database associated with the diagnostic controller, wherein the portion of the converted data
6 set includes diagnostic limited information.

1 4. The system of claim 3, wherein the diagnostic controller includes a
2 third processor and a third computer readable medium, and wherein the third computer
3 readable medium includes instructions executable by the third processor to:
4 provide a portion of the diagnostic limited information to a plurality of
5 recipients;
6 receive a diagnosis data associated with the portion of the diagnostic limited
7 information from at least one of the plurality of recipients.

1 5. The system of claim 4, wherein the third computer readable medium
2 further includes instructions executable by the third processor to:
3 receive a diagnosis query, wherein the diagnosis query includes a specific
4 diagnostic limited data,
5 compare the specific diagnostic limited data to at least a portion of the
6 diagnostic limited information, wherein a closest match is determined; and
7 provide a diagnosis based at least in part on the closest match.

1 6. The system of claim 1, wherein the system further comprises a
2 diagnostic controller communicably coupled to the system controller, wherein the diagnostic

3 controller includes a third processor and a third computer readable medium, and wherein the
4 third computer readable medium includes instructions executable by the third processor to:
5 provide a diagnostic information to a plurality of recipients;
6 receive a diagnosis data associated with the portion of the diagnostic
7 information from at least one of the plurality of recipients.

1 7. The system of claim 1, wherein:
2 at least one of the data set comprising objective data collected by a physician,
3 the data set comprising subjective data collected by a physician, and the data set from the
4 implantable medical device are received via a communication network, and
5 the communication network comprises at least one element selected from a
6 group consisting of: the Internet, a cellular telephone network, a public switched telephone
7 network, a local area network, a wide area network, and a virtual private network.

1 8. A medical information access system; the system comprising:
2 a means for receiving medical information from a plurality of sources, wherein
3 at least one of the plurality of sources is selected from a group consisting of: a physician, a
4 patient, and an implantable medical device;
5 a means for converting medical information from an implantable medical
6 device to a format; and
7 a means for distributing the medical information to one or more databases.

1 9. A system for controlling distribution of medical data, the system
2 comprising:
3 a microprocessor based controller;
4 a computer readable medium, wherein the computer readable medium includes
5 instructions executable by the microprocessor based controller to:
6 receive a data set in a first format from an implantable medical device;
7 identify a group associated with the implantable medical device, wherein the
8 group is one of a plurality of groups;
9 select an interpreter associated with the group; and
10 apply the interpreter to the data stream, wherein the data stream is converted
11 from the first format to a second format.

1 10. The system of claim 9, wherein the computer readable medium further
2 includes instructions executable by the microprocessor based controller to:
3 store the data stream in the first format to a raw database; and
4 store the converted data stream in the second format to a comprehensive
5 database.

1 11. The system of claim 9, wherein the computer readable medium further
2 includes instructions executable by the microprocessor based controller to:
3 store the data stream in the first format to a raw database;
4 store a first portion of the converted data stream in the second format to a first
5 subset database; and
6 store a second portion of the converted data stream in the second format to a
7 second subset database.

1 12. The system of claim 11, wherein the computer readable medium
2 further includes instructions executable by the microprocessor based controller to:
3 access the raw database;
4 generate at least one of the first subset database and the second subset
5 database.

1 13. The system of claim 11, wherein the first subset database includes
2 patient specific information.

1 14. The system of claim 11, wherein the second subset database includes
2 diagnostic limited information.

1 15. The system of claim 14, wherein the computer readable medium
2 further includes instructions executable by the microprocessor based controller to:
3 provide a portion of the diagnostic limited information is provided to a
4 plurality of recipients;
5 receive a diagnosis data associated with the portion of the diagnostic limited
6 information from at least one of the plurality of recipients; and store the diagnosis data to the
7 second subset database.

1 16. The system of claim 15, wherein the computer readable medium
2 further includes instructions executable by the microprocessor based controller to:
3 receive a diagnosis query, wherein the diagnosis query includes a specific
4 diagnostic limited data,
5 compare the specific diagnostic limited data to at least a portion of the
6 diagnostic limited information, wherein a closest match is determined; and
7 provide a diagnosis based at least in part on the closest match.

1 17. The system of claim 9, wherein the computer readable medium further
2 includes instructions executable by the microprocessor based controller to:
3 receive a data set comprising objective data collected by a physician; and
4 receive a data set comprising subjective data collected by a physician.

1 18. The system of claim 9, wherein the data set in the first format from the
2 implantable medical device is received via a communication network.

1 19. The system of claim 18, wherein the data set in the first format from
2 the implantable medical device is gathered by a gathering device selected from a group
3 consisting of: a device group specific programmer, a bedside monitor, and a mobile monitor.

1 20. The system of claim 18, wherein the communication network
2 comprises at least one element selected from a group consisting of: the Internet, a cellular
3 telephone network, a public switched telephone network, a local area network, a wide area
4 network, and a virtual private network.

1 21. The system of claim 9, wherein the microprocessor based controller
2 includes a processor selected from a group consisting of: a single processor based system; a
3 multi-processor based system with all of the processors co-located, and a multi-processor
4 system with one or more of the multi-processors distributed across a computer network; and
5 wherein the computer readable medium is selected from a group consisting of: a single
6 computer readable media, a plurality of computer readable media co-located, and a plurality
7 of computer readable media with one or more of the computer readable media distributed
8 across the computer network.

1 22. A method for accessing and utilizing medical information, the method
2 comprising:
3 receiving a data set in a first format from an implantable medical device via a
4 communication network;
5 identifying an interpreter associated with the implantable medical device,
6 wherein the interpreter is one of a plurality of interpreters; and
7 applying the interpreter to the data set, wherein the data set is converted from
8 the first format to a second format.

1 23. The method of claim 22, wherein the communication network is
2 selected from a group consisting of: the Internet, a cellular telephone network, a public
3 switched telephone network, a local area network, a wide area network, and a virtual private
4 network.

1 24. The method of claim 22, the method further comprising:
2 storing the first data set in the first format to a raw database; and
3 storing the converted data set in the second format to a comprehensive
4 database.

1 25. The method of claim 22, the method further comprising:
2 storing the first data set in the first format to a raw database; and
3 storing a first portion of the converted data stream in the second format to a
4 first subset database; and
5 storing a second portion of the converted data stream in the second format to a
6 second subset database.

1 26. The method of claim 25, the method further comprising:
2 accessing the raw database; and
3 generating at least one of the first subset database and the second subset
4 database.

1 27. The method of claim 25, wherein the first subset database includes
2 patient specific information, and wherein the second subset database includes diagnostic
3 limited information.

1 28. The method of claim 22, wherein the method further comprises:
2 providing a portion of a diagnostic limited information is to a plurality of
3 recipients;
4 receiving a diagnosis data associated with the portion of the diagnostic limited
5 information from at least one of the plurality of recipients; and
6 storing the diagnosis data to the comprehensive database.

1 29. The method of claim 28, wherein the method further comprises:
2 receiving a diagnosis query, wherein the diagnosis query includes a specific
3 diagnostic limited data,
4 comparing the specific diagnostic limited data to at least a portion of the
5 diagnostic limited information, wherein a closest match is determined; and
6 providing a diagnosis based at least in part on the closest match.